

FIG. 1 is a schematic diagram of a system for controlling a motor. The system includes a motor 102, a controller 140, and a power supply 200. The motor 102 is connected to the controller 140 via a signal line 114. The power supply 200 is connected to the motor 102 via a power line 244. The controller 140 includes a memory 144, a CPU 142, and support circuits 146. The power supply 200 includes a transformer 214, a rectifier 212, and a filter 210. The motor 102 includes a stator 202, a rotor 204, and a shaft 206. The motor 102 is shown in a cross-sectional view.

102

Fig. 1

